

OIPE

## RAW SEQUENCE LISTING

DATE: 12/16/2001

PATENT APPLICATION: US/09/989,328

TIME: 17:00:50

Input Set : N:\Crf3\Refhold\I989328.raw

Output Set: N:\CRF3\12142001\I989328.raw

1 <110> APPLICANT: Ashkenazi, Avi J.  
2 Baker, Kevin P.  
3 Botstein, David  
4 Desnoyers, Luc  
5 Eaton, Dan L.  
6 Ferrara, Napoleone  
7 Fong, Sherman  
8 Gerber, Hanspeter  
9 Gerritsen, Mary E.  
10 Goddard, Audrey  
11 Godowski, Paul J.  
12 Grimaldi, J. Christopher  
13 Gurney, Austin L.  
14 Kljavin, Ivar J.  
15 Napier, Mary A.  
16 Pan, James  
17 Paoni, Nicholas F.  
18 Roy, Margaret Ann  
19 Stewart, Timothy A.  
20 Tumas, Daniel  
21 Watanabe, Colin K.  
22 Williams, P. Mickey  
23 Wood, William I.  
24 Zhang, Zemin  
25 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
26 Acids Encoding the Same  
27 <130> FILE REFERENCE: P2730P1C54  
28 <140> CURRENT APPLICATION NUMBER: US/09/989,328  
29 <141> CURRENT FILING DATE: 2001-11-19  
30 <150> PRIOR APPLICATION NUMBER: 60/049787  
31 <151> PRIOR FILING DATE: 1997-06-16  
32 <150> PRIOR APPLICATION NUMBER: 60/062250  
33 <151> PRIOR FILING DATE: 1997-10-17  
34 <150> PRIOR APPLICATION NUMBER: 60/065186  
35 <151> PRIOR FILING DATE: 1997-11-12  
36 <150> PRIOR APPLICATION NUMBER: 60/065311  
37 <151> PRIOR FILING DATE: 1997-11-13  
38 <150> PRIOR APPLICATION NUMBER: 60/066770  
39 <151> PRIOR FILING DATE: 1997-11-24  
40 <150> PRIOR APPLICATION NUMBER: 60/075945  
41 <151> PRIOR FILING DATE: 1998-02-25  
42 <150> PRIOR APPLICATION NUMBER: 60/078910  
43 <151> PRIOR FILING DATE: 1998-03-20  
44 <150> PRIOR APPLICATION NUMBER: 60/083322  
45 <151> PRIOR FILING DATE: 1998-04-28  
46 <150> PRIOR APPLICATION NUMBER: 60/084600  
47 <151> PRIOR FILING DATE: 1998-05-07

ENTERED

## RAW SEQUENCE LISTING

DATE: 12/16/2001

PATENT APPLICATION: US/09/989,328

TIME: 17:00:50

Input Set : N:\Crf3\Refhold\I989328.raw

Output Set: N:\CRF3\12142001\I989328.raw

48 <150> PRIOR APPLICATION NUMBER: 60/087106  
49 <151> PRIOR FILING DATE: 1998-05-28  
50 <150> PRIOR APPLICATION NUMBER: 60/087607  
51 <151> PRIOR FILING DATE: 1998-06-02  
52 <150> PRIOR APPLICATION NUMBER: 60/087609  
53 <151> PRIOR FILING DATE: 1998-06-02  
54 <150> PRIOR APPLICATION NUMBER: 60/087759  
55 <151> PRIOR FILING DATE: 1998-06-02  
56 <150> PRIOR APPLICATION NUMBER: 60/087827  
57 <151> PRIOR FILING DATE: 1998-06-03  
58 <150> PRIOR APPLICATION NUMBER: 60/088021  
59 <151> PRIOR FILING DATE: 1998-06-04  
60 <150> PRIOR APPLICATION NUMBER: 60/088025  
61 <151> PRIOR FILING DATE: 1998-06-04  
62 <150> PRIOR APPLICATION NUMBER: 60/088026  
63 <151> PRIOR FILING DATE: 1998-06-04  
64 <150> PRIOR APPLICATION NUMBER: 60/088028  
65 <151> PRIOR FILING DATE: 1998-06-04  
66 <150> PRIOR APPLICATION NUMBER: 60/088029  
67 <151> PRIOR FILING DATE: 1998-06-04  
68 <150> PRIOR APPLICATION NUMBER: 60/088030  
69 <151> PRIOR FILING DATE: 1998-06-04  
70 <150> PRIOR APPLICATION NUMBER: 60/088033  
71 <151> PRIOR FILING DATE: 1998-06-04  
72 <150> PRIOR APPLICATION NUMBER: 60/088326  
73 <151> PRIOR FILING DATE: 1998-06-04  
74 <150> PRIOR APPLICATION NUMBER: 60/088167  
75 <151> PRIOR FILING DATE: 1998-06-05  
76 <150> PRIOR APPLICATION NUMBER: 60/088202  
77 <151> PRIOR FILING DATE: 1998-06-05  
78 <150> PRIOR APPLICATION NUMBER: 60/088212  
79 <151> PRIOR FILING DATE: 1998-06-05  
80 <150> PRIOR APPLICATION NUMBER: 60/088217  
81 <151> PRIOR FILING DATE: 1998-06-05  
82 <150> PRIOR APPLICATION NUMBER: 60/088655  
83 <151> PRIOR FILING DATE: 1998-06-09  
84 <150> PRIOR APPLICATION NUMBER: 60/088734  
85 <151> PRIOR FILING DATE: 1998-06-10  
86 <150> PRIOR APPLICATION NUMBER: 60/088738  
87 <151> PRIOR FILING DATE: 1998-06-10  
88 <150> PRIOR APPLICATION NUMBER: 60/088742  
89 <151> PRIOR FILING DATE: 1998-06-10  
90 <150> PRIOR APPLICATION NUMBER: 60/088810  
91 <151> PRIOR FILING DATE: 1998-06-10  
92 <150> PRIOR APPLICATION NUMBER: 60/088824  
93 <151> PRIOR FILING DATE: 1998-06-10  
94 <150> PRIOR APPLICATION NUMBER: 60/088826  
95 <151> PRIOR FILING DATE: 1998-06-10  
96 <150> PRIOR APPLICATION NUMBER: 60/088858

## RAW SEQUENCE LISTING

DATE: 12/16/2001

PATENT APPLICATION: US/09/989,328

TIME: 17:00:50

Input Set : N:\Crif3\Refhold\I989328.raw

Output Set: N:\CRF3\12142001\I989328.raw

97 <151> PRIOR FILING DATE: 1998-06-11  
98 <150> PRIOR APPLICATION NUMBER: 60/088861  
99 <151> PRIOR FILING DATE: 1998-06-11  
100 <150> PRIOR APPLICATION NUMBER: 60/088876  
101 <151> PRIOR FILING DATE: 1998-06-11  
102 <150> PRIOR APPLICATION NUMBER: 60/089105  
103 <151> PRIOR FILING DATE: 1998-06-12  
104 <150> PRIOR APPLICATION NUMBER: 60/089440  
105 <151> PRIOR FILING DATE: 1998-06-16  
106 <150> PRIOR APPLICATION NUMBER: 60/089512  
107 <151> PRIOR FILING DATE: 1998-06-16  
108 <150> PRIOR APPLICATION NUMBER: 60/089514  
109 <151> PRIOR FILING DATE: 1998-06-16  
110 <150> PRIOR APPLICATION NUMBER: 60/089532  
111 <151> PRIOR FILING DATE: 1998-06-17  
112 <150> PRIOR APPLICATION NUMBER: 60/089538  
113 <151> PRIOR FILING DATE: 1998-06-17  
114 <150> PRIOR APPLICATION NUMBER: 60/089598  
115 <151> PRIOR FILING DATE: 1998-06-17  
116 <150> PRIOR APPLICATION NUMBER: 60/089599  
117 <151> PRIOR FILING DATE: 1998-06-17  
118 <150> PRIOR APPLICATION NUMBER: 60/089600  
119 <151> PRIOR FILING DATE: 1998-06-17  
120 <150> PRIOR APPLICATION NUMBER: 60/089653  
121 <151> PRIOR FILING DATE: 1998-06-17  
122 <150> PRIOR APPLICATION NUMBER: 60/089801  
123 <151> PRIOR FILING DATE: 1998-06-18  
124 <150> PRIOR APPLICATION NUMBER: 60/089907  
125 <151> PRIOR FILING DATE: 1998-06-18  
126 <150> PRIOR APPLICATION NUMBER: 60/089908  
127 <151> PRIOR FILING DATE: 1998-06-18  
128 <150> PRIOR APPLICATION NUMBER: 60/089947  
129 <151> PRIOR FILING DATE: 1998-06-19  
130 <150> PRIOR APPLICATION NUMBER: 60/089948  
131 <151> PRIOR FILING DATE: 1998-06-19  
132 <150> PRIOR APPLICATION NUMBER: 60/089952  
133 <151> PRIOR FILING DATE: 1998-06-19  
134 <150> PRIOR APPLICATION NUMBER: 60/090246  
135 <151> PRIOR FILING DATE: 1998-06-22  
136 <150> PRIOR APPLICATION NUMBER: 60/090252  
137 <151> PRIOR FILING DATE: 1998-06-22  
138 <150> PRIOR APPLICATION NUMBER: 60/090254  
139 <151> PRIOR FILING DATE: 1998-06-22  
140 <150> PRIOR APPLICATION NUMBER: 60/090349  
141 <151> PRIOR FILING DATE: 1998-06-23  
142 <150> PRIOR APPLICATION NUMBER: 60/090355  
143 <151> PRIOR FILING DATE: 1998-06-23  
144 <150> PRIOR APPLICATION NUMBER: 60/090429  
145 <151> PRIOR FILING DATE: 1998-06-24

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/989,328

DATE: 12/16/2001

TIME: 17:00:50

Input Set : N:\Crf3\Refhold\I989328.raw

Output Set: N:\CRF3\12142001\I989328.raw

146 <150> PRIOR APPLICATION NUMBER: 60/090431  
147 <151> PRIOR FILING DATE: 1998-06-24  
148 <150> PRIOR APPLICATION NUMBER: 60/090435  
149 <151> PRIOR FILING DATE: 1998-06-24  
150 <150> PRIOR APPLICATION NUMBER: 60/090444  
151 <151> PRIOR FILING DATE: 1998-06-24  
152 <150> PRIOR APPLICATION NUMBER: 60/090445  
153 <151> PRIOR FILING DATE: 1998-06-24  
154 <150> PRIOR APPLICATION NUMBER: 60/090472  
155 <151> PRIOR FILING DATE: 1998-06-24  
156 <150> PRIOR APPLICATION NUMBER: 60/090535  
157 <151> PRIOR FILING DATE: 1998-06-24  
158 <150> PRIOR APPLICATION NUMBER: 60/090540  
159 <151> PRIOR FILING DATE: 1998-06-24  
160 <150> PRIOR APPLICATION NUMBER: 60/090542  
161 <151> PRIOR FILING DATE: 1998-06-24  
162 <150> PRIOR APPLICATION NUMBER: 60/090557  
163 <151> PRIOR FILING DATE: 1998-06-24  
164 <150> PRIOR APPLICATION NUMBER: 60/090676  
165 <151> PRIOR FILING DATE: 1998-06-25  
166 <150> PRIOR APPLICATION NUMBER: 60/090678  
167 <151> PRIOR FILING DATE: 1998-06-25  
168 <150> PRIOR APPLICATION NUMBER: 60/090690  
169 <151> PRIOR FILING DATE: 1998-06-25  
170 <150> PRIOR APPLICATION NUMBER: 60/090694  
171 <151> PRIOR FILING DATE: 1998-06-25  
172 <150> PRIOR APPLICATION NUMBER: 60/090695  
173 <151> PRIOR FILING DATE: 1998-06-25  
174 <150> PRIOR APPLICATION NUMBER: 60/090696  
175 <151> PRIOR FILING DATE: 1998-06-25  
176 <150> PRIOR APPLICATION NUMBER: 60/090862  
177 <151> PRIOR FILING DATE: 1998-06-26  
178 <150> PRIOR APPLICATION NUMBER: 60/090863  
179 <151> PRIOR FILING DATE: 1998-06-26  
180 <150> PRIOR APPLICATION NUMBER: 60/091360  
181 <151> PRIOR FILING DATE: 1998-07-01  
182 <150> PRIOR APPLICATION NUMBER: 60/091478  
183 <151> PRIOR FILING DATE: 1998-07-02  
184 <150> PRIOR APPLICATION NUMBER: 60/091544  
185 <151> PRIOR FILING DATE: 1998-07-01  
186 <150> PRIOR APPLICATION NUMBER: 60/091519  
187 <151> PRIOR FILING DATE: 1998-07-02  
188 <150> PRIOR APPLICATION NUMBER: 60/091626  
189 <151> PRIOR FILING DATE: 1998-07-02  
190 <150> PRIOR APPLICATION NUMBER: 60/091633  
191 <151> PRIOR FILING DATE: 1998-07-02  
192 <150> PRIOR APPLICATION NUMBER: 60/091978  
193 <151> PRIOR FILING DATE: 1998-07-07  
194 <150> PRIOR APPLICATION NUMBER: 60/091982

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/989,328

DATE: 12/16/2001

TIME: 17:00:50

Input Set : N:\Crf3\Refhold\I989328.raw

Output Set: N:\CRF3\12142001\I989328.raw

195 <151> PRIOR FILING DATE: 1998-07-07  
196 <150> PRIOR APPLICATION NUMBER: 60/092182  
197 <151> PRIOR FILING DATE: 1998-07-09  
198 <150> PRIOR APPLICATION NUMBER: 60/092472  
199 <151> PRIOR FILING DATE: 1998-07-10  
200 <150> PRIOR APPLICATION NUMBER: 60/091628  
201 <151> PRIOR FILING DATE: 1998-07-02  
202 <150> PRIOR APPLICATION NUMBER: 60/091646  
203 <151> PRIOR FILING DATE: 1998-07-02  
204 <150> PRIOR APPLICATION NUMBER: 60/091673  
205 <151> PRIOR FILING DATE: 1998-07-02  
206 <150> PRIOR APPLICATION NUMBER: 60/093339  
207 <151> PRIOR FILING DATE: 1998-07-20  
208 <150> PRIOR APPLICATION NUMBER: 60/094651  
209 <151> PRIOR FILING DATE: 1998-07-30  
210 <150> PRIOR APPLICATION NUMBER: 60/095282  
211 <151> PRIOR FILING DATE: 1998-08-04  
212 <150> PRIOR APPLICATION NUMBER: 60/095285  
213 <151> PRIOR FILING DATE: 1998-08-04  
214 <150> PRIOR APPLICATION NUMBER: 60/095302  
215 <151> PRIOR FILING DATE: 1998-08-04  
216 <150> PRIOR APPLICATION NUMBER: 60/095318  
217 <151> PRIOR FILING DATE: 1998-08-04  
218 <150> PRIOR APPLICATION NUMBER: 60/095321  
219 <151> PRIOR FILING DATE: 1998-08-04  
220 <150> PRIOR APPLICATION NUMBER: 60/095301  
221 <151> PRIOR FILING DATE: 1998-08-04  
222 <150> PRIOR APPLICATION NUMBER: 60/095325  
223 <151> PRIOR FILING DATE: 1998-08-04  
224 <150> PRIOR APPLICATION NUMBER: 60/095916  
225 <151> PRIOR FILING DATE: 1998-08-10  
226 <150> PRIOR APPLICATION NUMBER: 60/095929  
227 <151> PRIOR FILING DATE: 1998-08-10  
228 <150> PRIOR APPLICATION NUMBER: 60/096012  
229 <151> PRIOR FILING DATE: 1998-08-10  
230 <150> PRIOR APPLICATION NUMBER: 60/096143  
231 <151> PRIOR FILING DATE: 1998-08-11  
232 <150> PRIOR APPLICATION NUMBER: 60/096146  
233 <151> PRIOR FILING DATE: 1998-08-11  
234 <150> PRIOR APPLICATION NUMBER: 60/096329  
235 <151> PRIOR FILING DATE: 1998-08-12  
236 <150> PRIOR APPLICATION NUMBER: 60/096757  
237 <151> PRIOR FILING DATE: 1998-08-17  
238 <150> PRIOR APPLICATION NUMBER: 60/096766  
239 <151> PRIOR FILING DATE: 1998-08-17  
240 <150> PRIOR APPLICATION NUMBER: 60/096768  
241 <151> PRIOR FILING DATE: 1998-08-17  
242 <150> PRIOR APPLICATION NUMBER: 60/096773  
243 <151> PRIOR FILING DATE: 1998-08-17

—)

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/989,328

DATE: 12/16/2001

TIME: 17:00:51

Input Set : N:\Crf3\Refhold\I989328.raw

Output Set: N:\CRF3\12142001\I989328.raw

L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1983 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:1986 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:1989 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:2830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:3005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74  
L:3008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74  
L:3025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:3026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:3027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:3028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:3030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:3031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:3044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76  
L:3064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:3066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:3722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:3724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:3725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:3726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:3730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:3731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:3742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:3743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:3744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:3746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:3748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:3749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:3750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106  
L:3763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:3764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:3766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:3767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:3768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:3769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107  
L:3780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:3781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:3782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:3788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:3790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108  
L:4812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136  
L:4813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136  
L:4814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136

## VERIFICATION SUMMARY

DATE: 12/16/2001

PATENT APPLICATION: US/09/989,328

TIME: 17:00:51

Input Set : N:\Crf3\Refhold\I989328.raw

Output Set: N:\CRF3\12142001\I989328.raw

L:4816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136  
L:4952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139  
L:4970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140  
L:4973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140  
L:5161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149  
L:5283 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153  
L:5286 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153  
L:5289 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:153  
L:6504 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:6507 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:6510 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:6513 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:6516 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:183  
L:8438 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236  
L:8441 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236  
L:8444 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:236  
L:11853 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:342